MOTOROLA DEFY™

MOTOROLA. **GET READY.**

Congratulations

MOTOROLA **DEFY**

Because life is full of challenges, we've designed a phone that handles everything life throws your way.

- **Stands up to water, dust and life.** Your phone is dustproof and water-resistant, because accidents happen.
- **Boredom is not an option.** Take your entertainment with you wherever you go with a 5-MP camera with flash, Connected Music Player and your favourite Google apps and services such as YouTube™, Android Market™, Gmail™ and more.

Caution: Before assembling, charging or using your phone for the first time, please read the important legal and safety information packaged with your phone.

Note: Certain apps and features may not be available in all countries.

More

- **Updates:** Phone updates, PC software, online help and more at www.motorola.com.
- **Accessories:** Find accessories for your phone at www.motorola.com/products.

Your phone

the important keys & connectors

3.5mm headset jack

Power key
Press - sleep.
Hold - on/off.

Micro USB connector
Charge or connect to PC.

Volume keys

Touchscreen

Home key
Return to the home screen.

Back key

Menu key
Touch for menu options, hold for touchscreen keypad.

Search key
Touch for text search, hold for voice search.

Microphone

Note: Your phone might look a little different.

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Let's go

let's get you up and running

Assemble & charge

1 SIM in

2 MicroSD in (may already be inserted)

3 Battery in

4 Cover on

5 Lock cover

6 Charge up

Caution: Please read "Battery use & safety" on page 49.

Note: The cover must be locked for the phone to be water-resistant.

Turn it on & off

To turn on your phone, press and hold Power (on the top of the phone).

To turn off your phone, press and hold Power, then touch **Power off**.

Lock & unlock

To lock the screen/phone:

- Press Power.
- Let the screen time out (don't press anything).

To unlock the screen/phone:

- Press Power, then drag to the right. If you've set a lock pattern or passcode, you'll be asked to enter it.

For more security features, see "Security" on page 46.

Wi-Fi connect

If you want to use a Wi-Fi network for even faster Internet access, touch Menu > **Settings** > **Wireless & networks** > **Wi-Fi settings**.

Cool content & more

Browse and download thousands of the coolest apps on the planet from Android Market™ (see "Apps for all" on page 26).

Your phone comes with a microSD memory card installed—you can fill it with photos, videos and music from your computer using "Memory card & file transfer" on page 42.

Note: This phone supports data-intensive apps and services. It is strongly recommended that you purchase a data plan that meets your needs. Contact your service provider for details.

Stands up to life

Your Motorola **DEFY** stands up to water, dust and life, because accidents happen. Now your investment is safe and protected from life's little challenges like that sudden rain shower and other everyday mishaps.

Of course, your phone isn't indestructible, so to avoid damage from natural elements, such as water, sand and dust intrusion, always make sure that the battery door cover and connector covers are closed and secure.

If your phone gets wet and/or dirty:

- Wipe with a soft cloth and shake to remove excess water from the entire phone, especially the display screen, speaker and microphone ports.
- Allow your phone to air-dry for at least 1 hour before using it again.
- Always make sure you clean all dirt and debris from the battery door cover/seals and connector covers.

Note: Your phone is not designed to float or work underwater.

Touchscreen & keys

a few essentials

Touch tips

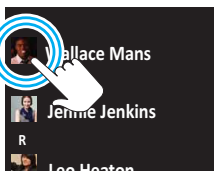
Here are some tips on how to navigate around your phone.

Touch

To choose an icon or option, *touch* it.

Touch & hold

To open special options, *touch and hold* an icon or other item. Try it: From the home screen, touch **Contacts**, then touch and hold a contact to open options.



Drag

To scroll through a list or move slowly, *drag* across the touchscreen. Try it: From the home screen, touch **Contacts**, then drag your **Contacts** list up or down.

Tip: When you drag or flick a list, a *scroll bar* appears on the right. Drag the scroll bar to move the list to a letter from A-Z.

Flick

To scroll through a list or move quickly, *flick* across the touchscreen (drag quickly and release).

Tip: When you flick a long list, touch the screen to stop it from scrolling.

Pinch-to-zoom

Get a closer look at maps, webpages or photos. To zoom in, *touch* the screen with two fingers and then slide them apart. To zoom out, *drag* your fingers together.

Key tips

Menu, home, back & search

Touch Home to close any menu or app and return to the home screen.

From the home screen, touch and hold Home to show the last few apps you've used, then touch an app to open it.

Touch Menu to open menu options or touch Back to go back.

Touch Search for text search or touch and hold for search.

Sleep & wake up

To save your battery, prevent accidental touches or when you want to wipe smudges off your touchscreen, put the touchscreen to sleep by pressing Power. To wake up the touchscreen, just press Power.

To change how long your phone waits before the screen goes to sleep automatically, touch Menu > **Settings** > **Sound & display** > **Screen timeout**.

Tip: To make the screen lock when it goes to sleep, use "Security lock" on page 46.

Power key menu

Press and hold Power to open the power key menu, where you can turn off the phone (**Power off**), or turn **Flight mode** or **Silent mode** on or off.

Adjust volume

Press the volume keys to change the ring volume (from the home screen), the earpiece volume (during a call) or the media volume (when listening to music or watching a video clip).

Home screen

quick access to the things you need most

Quick start: Home screen

The *home screen* gives you all your latest information in one place. It's what you see when you turn on the phone or touch Home from a menu. It looks like this:

Phone status & notifications
Flick down to see details.

Widgets
Touch to edit.

Shortcuts
Touch to open.

Open the main menu.

Flick left or right to open more panels.

Note: Your home screen might look a little different.

Use & change your home screen

On your home screen, *shortcuts* are icons that you touch to open your favourite apps, web bookmarks, contacts or music playlists. *Widgets* show you news, weather, messages and other updates.

Flick the home screen left or right to open other *panels* of shortcuts and widgets.

- To **open** something, touch it. Touch Home to return to the home screen.
- To **change** a widget's settings, open it and then touch Menu > **Settings**.
- To **resize** a widget, touch and hold the widget until you feel a vibration, then drag to resize. Arrows appear in the corners of the widget. Drag the arrows to resize.
- To **add** something or change your wallpaper, touch and hold an empty spot until you see the **Add to home screen** menu.

  You can add a folder to organise your shortcuts.
- To **move** or **delete** something, touch and hold it until you feel a vibration, then drag it to another spot, another panel or the bin at the bottom of the screen.

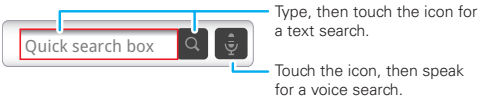
Running multiple apps

No need to close an app before opening another one. Your phone runs multiple apps, all at the same time.

You can open a new app while already running another. Touch Home to return to the home screen. Touch the app tab and then touch the app you want. To switch from one running app to another, touch and hold Home to see what apps are already open, then touch the one you want. You can view up to the last six apps that you've opened.

Search

To search, touch Search.



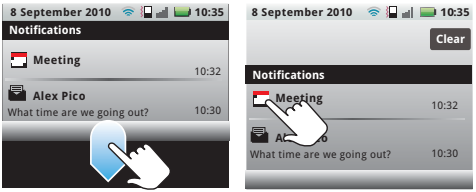
Note: The voice search feature is not available in all regions.

Notifications & phone status

At the top of the screen, icons on the left notify you about new messages or events. Icons on the right tell you about your phone's status.

Notifications

To access a message, email or meeting reminder directly from the status bar, drag the status bar down and touch the notification.



Tip: To see today's date, touch and hold the status bar at the top of the screen.

Status indicators

	Bluetooth active		network (full signal)
	GPS active		network (roaming)
	Wi-Fi active		downloading
	volume		voicemail message
	vibrate		3G (fastest data)
	silent		flight mode
	mute call		battery (charging)
	signal (roaming)		battery (full charge)

	speakerphone active		alarm set
G	GPRS (fast data)	E	EDGE (faster data)

App menu

The app menu shows you all of your applications. To open it from the home screen, touch the app tab . To close it, touch again or touch Home .

Tip: To find an app in the main menu, touch and hold Menu to open a display keypad, then type the app name.

Calls

it's good to talk

Quick start: Calls

Dialling options

Find it: **Dialler**

Favourites
Touch to open frequent calls, then touch an entry to call.

Open your contacts

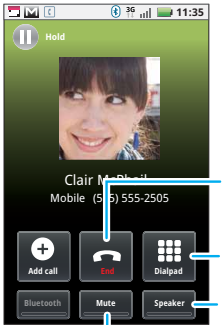
Call log
Touch to open, then touch an entry to call.

Call
Enter a number and touch here to call it.

Voice dialler

Add number to a contact

In-call options



End call
Hang up.

Dial pad
Open a dial pad to enter numbers during a call.

Speakerphone
Turn speakerphone on or off.

Mute
Mute or unmute the call.

During a call, touch Menu to choose **Hold** or to adjust the **Voice quality** settings. Your touchscreen will go dark to avoid accidental touches. To wake it up, press Power.

Tip: You can touch Home or Back to hide the active call display. To reopen it, touch **Dialler**.

Make & answer calls

To make a call, touch **Dialler**, enter a number, then touch .

Tip: To enter an international dialling code, touch and hold 0. To **Add 2-sec pause** or **Add wait** after numbers, touch Menu after you've entered the number.

To answer a call when the screen is locked, drag **answer** to the right.

End calls

Touch **End call**.

Add a contact

Find it: **Contacts** > Touch the green + sign at the top right of your screen

Favourites

Find it: **Dialler** > **Favourites**

To call a number, touch it.

Hands-free

Note: Using a mobile device or accessory while driving may cause distraction and may be illegal. Always obey the laws and drive safely.

During a call:

- To use the speakerphone, touch **Speaker**.
- To use a Bluetooth™ device, touch **Bluetooth**.

Mute & hold

During a call:

- To mute the current call, touch **Mute**.
- To put a call on hold, touch Menu > **Hold**.

Enter numbers during a call

To enter numbers during a call, touch and then touch the dial pad.

Conference calls

To start a conference call, call the first number. After they have answered, touch **Add call** and call the next number. When the next number answers, touch Menu > **Join**.

Your phone number

Find it: From the home screen, touch Menu > **Settings** > **About phone** > **Status** > **My phone number**

Your caller ID

To hide your number from the people you call, from the home screen, touch Menu > **Settings** > **Call settings** > **Additional settings** > **Caller ID**.

Call forwarding & waiting

You can forward calls all the time or only when your phone is busy, unanswered or unreachable (not on the network):

Find it: From the home screen, touch Menu > **Settings** > **Call settings** > **Call forwarding**

When you're on a call and a second call comes in, **Call waiting** lets you answer it by touching **Answer**. You can turn off **Call waiting** to send second calls straight to your voicemail:

Find it: From the home screen, touch Menu > **Settings** > **Call settings** > **Additional settings** > **Call waiting**

Restrict outgoing calls

To restrict your phone so that it can only dial a few numbers:

Find it: From the home screen, touch Menu > **Settings** > **Call settings** > **Fixed dialling number**

- To turn fixed dialling on, touch **FDN disabled**.
- To add or delete the allowed numbers, touch **Manage FDN list**.

Emergency calls

Note: Your service provider has programmed one or more emergency phone numbers into your phone (such as 999 or 112) that you can call under any circumstances, even when your phone is locked. Emergency numbers vary by country. Your pre-programmed emergency number(s) may not work in all locations and sometimes it may not be possible to place an emergency call due to network, environmental or interference issues.

1. Touch **Dialler** (if your phone is locked, touch **Emergency call** or touch Menu > **Emergency call**).
2. Enter the emergency number.
3. Touch to call the emergency number.

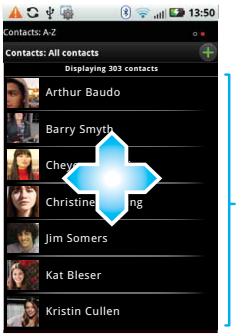
Note: Your mobile device can use AGPS satellite signals to help emergency services find you (see "GPS & AGPS" on page 54).

Contacts

contacts like you've never had before

Quick start: Contacts

Find it: **Contacts**



Contacts list
Touch to view a contact. Touch & hold for more options.

Tip: To search the list, touch Menu > **Search**, then type a name. When you flick or drag this list, a scroll bar appears on the right. Drag the scroll bar to move the list more quickly.

Import contacts from your SIM

If you need to import the contacts from your SIM card, touch **Contacts**, then touch Menu > **Import/Export** > **Import from SIM card**.

Call, text or email contacts

Find it: **Contacts**

For **View contact**, **Send text message**, **Delete contact** and other options, touch and hold the contact.

Edit or delete contacts

Find it: **Contacts**

Touch the contact, then touch Menu > **View contact** or **Delete contact**. You can set a ringer, address and other details that will be saved on your phone.

Create contacts

Find it: **Contacts** > Menu > **Add contact**

Type the name and details.

Touch to open details.

To see more details, flick up.

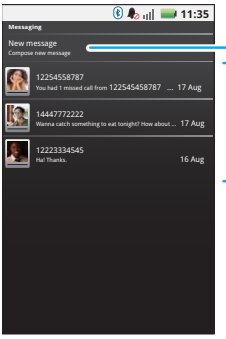
When you've finished, touch **Save**.

Messaging

sometimes it's best to text or IM or email . . .

Quick start: Messaging

Find it: > **Messaging** > **Text messaging**



Create a message

Message list
Touch to open a message. Touch & hold to delete and more.

Tip: To see more messages, flick or drag up.

Read & reply to messages

- To open a message and all of its replies, touch it.
- To respond to a message, just open it and enter your response in the text box at the bottom.
- To open options, touch and hold the message.

Create messages

Find it: > **Messaging** > Menu > **Compose**

Enter the recipient and message. Touch Menu to add files or choose other options.

Change settings

To change your settings, touch > **Messaging** > Menu > **Messaging settings**:

- **Text message limit** to set the number of messages to save.
- **Delivery reports** to request a delivery report for each message you send.
- **Notifications** to display message notifications in the status bar.

Send & receive attachments

To send a file in a message, open a new message, touch Menu > **Attach files** and choose the file.

When you receive a message with an attachment, open the message and touch the file name to download it. Then, touch the name again to open it. Some file formats can be converted to HTML for faster viewing. Your phone will show a button that says **Get HTML version**.

Tip: To send and receive large attachments faster, use a Wi-Fi connection, in "Wi-Fi™" on page 28.

Set up messaging

To add email accounts, from the home screen touch Menu > **Settings** > **Accounts** > **Add account**.

- **Corporate Sync** is for Exchange server work email accounts. Enter details from your IT administrator.

  Tip: You might need to enter your domain name with your username (such as *domain/username*).

  Note: Some work accounts might require you to add a password lock to your phone for security.

- **Email** is for most personal email accounts. It's really easy to set up and you can set up more than one. For account details, contact the account provider.

  Note: While you are using a Wi-Fi network, you will not be able to access **Yahoo Mail** accounts. You can still use your browser to see these accounts at mail.yahoo.com.

Instant messages

To send and receive instant messages, you can use an instant messaging app or your browser.

- To download and use an instant messaging app, touch > **Market** > **Apps** > **Communication**, then choose an app for your provider. Once you have downloaded the app, you'll see it in "App menu" on page 9.

- If you don't see an app for your IM provider, you can use your web browser. Touch > **Browser**, then enter your provider's website. Once you're there, follow the link to sign in.

Note: Your IM options will depend on your IM provider. To browse instant messaging apps from your PC, go to www.android.com/market.

Voicemail

When you have a new voicemail, will appear at the top of your screen. To listen to the voicemail, drag the status bar down and touch **New voicemail**.

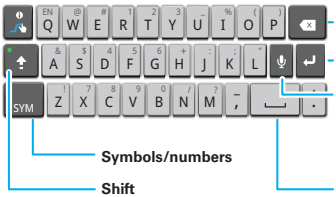
If you need to change your voicemail number, from the home screen, touch Menu > **Settings** > **Call settings** > **Voicemail settings**.

Text entry

keys when you need them

Touchscreen keypad

You can open a display keypad by touching a text field. To close the keypad, touch Back .



Swype™ text entry

Swype lets you enter a word with one continuous motion. To enter a word, just drag your finger over the letters in the word.

day

book

For double letters, circle the letter.

Who

To capitalise, go above the keypad.

To change your Swype settings, touch Menu > **Settings** > **Language & keyboard** > **Swype**.

Tips:

- To enter apostrophes in common words (like “I’ll”), drag through the **n** as though it was an apostrophe.
- To enter several symbols, touch **SYM**.
- To correct a word, double-tap it. Swype shows a small menu of other word options. Swype might also show a menu if it can’t guess your word.
- If Swype doesn’t know a word, you can still touch the letter keys to enter it. Swype remembers, so next time you can just drag over the letters.

Multi-touch keypad

To turn the multi-touch mode on, from the home screen touch Menu > **Settings** > **Language & keyboard** > **Input method** > **Multi-touch keyboard**.

Typing tips

To...	
Enter a capital letter	Touch Shift ⇧.
Enter only capital letters	Touch Shift ⇧ twice.

To...	
Cut, copy or paste text you've selected	Touch and hold the text box to open the editing menu.
Delete a character (hold to delete more)	Touch Delete DEL.
Enter numbers and symbols	Touch ?123.
Start a new line	Touch ↵.

To change your text entry settings and see the dictionary of terms you've used, from the home screen, touch Menu > **Settings** > **Language & keyboard**.

Text entry settings

When you use the touchscreen keypad, your phone suggests words from your dictionary and chosen language. Your phone also will enter apostrophes in some words automatically, such as "dont".

Find it: From the home screen, touch Menu > **Settings** > **Language & keyboard**

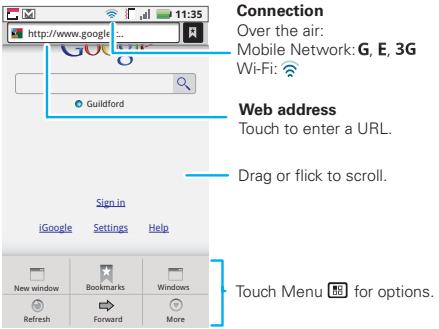
- To edit your dictionary, touch **User dictionary**.
- To change the language and style of your touchscreen keypad, touch **Select locale**.
- To change the sounds, corrections, automatic correction settings and other settings for your touchscreen keypad, touch **Multi-touch keyboard**.

Web

surf the web with your phone

Quick start: Browser

Find it: > **Browser**



Note: If you can't connect, contact your service provider.

Connect

Your phone uses the mobile phone network (over the air) to connect to the web automatically.

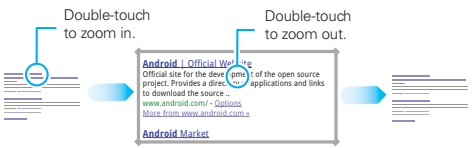
Note: Your service provider may charge you to surf the web or download data.

To use a wireless network, from the home screen, touch Menu > **Settings** > **Wireless & networks**. Touch **Wi-Fi** to turn it on, then touch **Wi-Fi settings** to search for nearby wireless networks. Touch a network to connect. There's more in "Wi-Fi™" on page 28.

Web touch tips

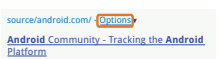
Zoom & magnify

On webpages, use double-touch to zoom in/out. You can also use pinch-to-zoom to zoom in/out; see "Pinch-to-zoom" on page 5.



Select links

When you touch a link, your phone will outline it. If you touch and hold the link, your phone will show options, such as **Open in new window** or **Bookmark link**.



Browser options

Touch Menu to see browser options:

options	
New window	Add a new browser window to your list.
Bookmarks	Displays a list of your bookmarks. Touch **Add** to add the current page to your list.
Windows	View the browser windows that are currently open.
Refresh	Reloads the current page.
Forward	Navigate to a previously viewed page.
More	Shows browser options such as **Find on page**, **Select text**, **Page info**, **Share page**, **Downloads** and **Settings**.

Download apps

Warning: Apps downloaded from the web can be from unknown sources. To protect your phone and personal data, only download apps from sources you trust, such as "Android Market™" on page 26.

Note: All apps downloaded are stored in your phone memory.

To download apps:

1. If you want to download apps from any webpage, from the home screen, touch Menu > **Settings** > **Applications** > **Unknown sources**.
2. To launch the browser, touch > **Browser**.
3. Find the app you want to download and touch the download link.

Manage your downloads

To view files or applications you have downloaded, touch > **Browser** > > **More** > **Downloads**.

To clear your download history, touch Menu > **Clear list**. To cancel, touch Menu > **Cancel all downloads**.

Location

toss away your maps

Navigation™

Your phone comes with Google Maps Navigation, a navigation system with voice guidance that shows you the way.

Find it: > **Navigation**

Turn-by-turn directions. You'll never wonder where to turn.

3D lane guidance. Preview your route and destination. You can look around to see landmarks and turns.

Connected navigation. Get live traffic reports and alerts. Select alternative routes.

Note: Availability may vary by market.

Navigation linked to contacts. Store an address or location information and you're two touches away from seeing it on a map.

For step-by-step instructions, go to http://www.google.com/mobile/navigation/.

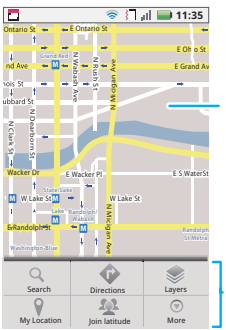
Google Maps™

Note: Google apps are not available with all service providers. For details, ask your service provider.

Quick start: Google Maps

Where am I? Where do I want to go? Don't worry—let Google Maps™ find out for you.

Find it: > **Maps**



Map view
Drag or flick to scroll.
Tap to show zoom.

Touch for options.

Google Maps™ opens by default in "Map mode". To learn more about the different map modes, go to "Select map mode" on page 22.

Tip: Use pinch-to-zoom to zoom in and out. See "Pinch-to-zoom" on page 5.

Set your location sources

Set your phone to determine your location using GPS satellite signals (highly accurate, but uses battery power) or using the mobile network (less accurate, but conserves battery power).

To set your location, from the home screen, touch Menu > **Settings** > **Location & security** > **Use GPS satellites** and/or **Use wireless networks**.

Find your location

Note: Don't forget to set your location sources.

Touch Menu > **My Location**. Your location is shown on the map as ◉. The bigger the circle, the less accurate the location.

Find any location

1 Touch Menu > **Search**.

2 Enter text in the search box, such as an address, business or city, then touch 🔍.

Tip: If it's an address you have visited before, select from the list shown.

3 Touch the search box to view all the results, then touch the one you want. Select **Show on map**, **Get directions**, **Call** or **Add as a contact**.

Get directions

1 Touch Menu > **Directions**.

2 Enter a starting point address or touch and select **My current location**, **Contacts** or **Point on map**.

3 Enter an end point address or touch and select **Contacts** or **Point on map**.

4 Select your mode of transport (car, public transport or walking), then touch **Go**. Your directions are shown as a list. To view your directions on a map, touch **Show on map**.

5 When you have finished, touch Menu > **More** > **Clear map**.

Select map mode

Touch Menu > **Layers** to select from **Traffic**, **Satellite**, **Latitude** or recent searches, viewed positions or directions.

Touch Menu > **Layers** > **More layers** to select from **My maps**, **Wikipedia** or **Transit lines**.

Touch **Clear map** to clear your selections.

Map view

Shows a map, complete with names of streets, rivers, lakes, mountains and borders. This is the default view.

Satellite view

Shows a map on top of an aerial photo.

Traffic view

If available in your area, real-time traffic conditions are shown on the roads as colour-coded lines.

Latitude

Join Latitude

See where your friends and family are on Google Maps™. Plan to meet up, check that your parents got home safely or just stay in touch.

Don't worry, your location is not shared unless you agree to it. You need to join Latitude and then invite your friends to view your location or accept their invitations. When using Google Maps (in any mode except Street View), touch Menu > **Join Latitude**. Read the privacy policy and, if you agree with it, choose to continue.

Add & remove friends

Find it: > **Maps** > Menu > **Latitude**

To add friends:

1. Touch Menu > **Add friends**.
2. Touch **Select from contacts** or **Add via email address**, then touch a contact and **Add friends**.

If your friends already use Latitude, they'll receive an email request and a notification. If they have not yet joined Latitude, they'll receive an email request that invites them to sign in to Latitude with their Google account.

To remove friends:

1. Touch Menu > **Latitude** to show your friends list, then touch a friend in your list.
2. Touch **Remove this friend**.

Share location

When you receive a request to share location details you can choose to:

- **Accept and share back**—see your friend's location and your friend can see yours.
- **Accept, but hide my location**—see your friend's location, but they can't see yours.
- **Don't accept**—location information is not shared between you and your friend.

Hide your location

To hide your location from a friend, touch Menu > **Latitude** to show your friends list. Touch your contact name, then touch Menu > **Privacy** > **Hide your location**.

Turn off Latitude

Touch Menu > **Latitude** to show your friends list. Touch Menu > **Privacy** > **Turn off Latitude**.

YouTube™

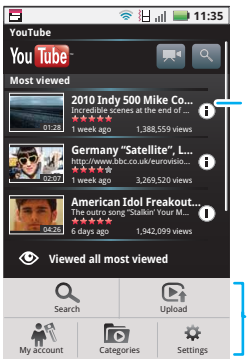
go and create your own classic

Note: This feature is not available in all areas. Check with your service provider.

Quick start: YouTube

Post that great video you've taken and see how many hits you get.

Find it: > **YouTube**



Touch a video to play.

Touch for options.

The YouTube user-generated content website lets you share videos with YouTube users everywhere. You don't need a YouTube account to browse and view videos.

Note: If you don't have a YouTube account, visit http://www.youtube.com to find out more. To create an account or sign in, go to "Your account" on page 25.

Watch videos

See popular video categories, such as Most viewed, Most discussed and Most recent. Touch a category, then touch the video to start playing it. To see more video categories, touch Menu > **Categories**.

Search for videos

Find it: Menu > **Search**

Enter text, then touch Search.

Share videos

Send someone a link to a video that you are watching.

1 Touch Menu > **Share**.

2 Enter the address and complete your email, then touch **Send**.

Your account

Log in or create account

Find it: Menu > **My account**

1 To create your YouTube account, touch the "Don't have a YouTube account? Touch **here** to create one" link.

If you already have a YouTube account, enter your username and password and touch **Sign in**.

2 For a new account, enter a username and complete the fields, then touch **I accept**.

Upload videos

Find it: Menu > **Upload**

1 Touch the video you want to upload. You can change the video title, description, set access rights and add tags.

2 Touch **Upload**.

Apps for all

get the app you want

Android Market™

Note: You'll need to set up a Gmail account in order to buy and download apps from the Android Market.

Find it: > **Market**

Get all the fun games and cool apps you want! Android Market provides you with access to software developers everywhere, so you can find the app you want. If you need help or have questions about Android Market, touch Menu > **Help**.

Browse & install apps

Scroll to and touch the app you want to install. Then, touch **Install** (if the app is free) or **Buy**.

Warning: If an app you are downloading requires access to your data or control of functions on your phone, you'll be asked to give your permission. After selecting **Install**, the app will download. After selecting **Buy**, you may be asked to sign in to an additional Google account. Sign in and select **Purchase now** to proceed.

After you have downloaded an app, the icon for that app will appear on your app tab.

Manage & restore apps

To manage your apps, from the home screen, touch Menu > **Settings** > **Applications** > **Manage applications**.

Touch the app to open the details screen—from here you can review, uninstall and more.

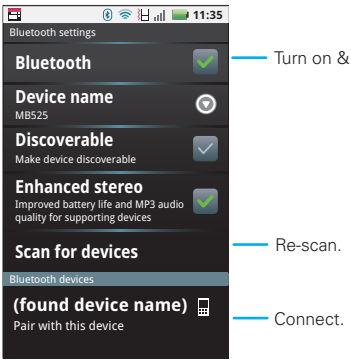
To reinstall any downloaded items, from the home screen, touch **Market** > **Downloads**. All previously installed apps are listed and available for download.

Bluetooth™ wireless

lose the wires and go wireless

Quick start: Bluetooth wireless

Find it: From the home screen, touch Menu > **Settings** > **Wireless & networks** > **Bluetooth settings**



Turn Bluetooth power on or off

Find it: From the home screen, touch Menu > **Settings** > **Wireless & networks** > **Bluetooth**

Note: To extend battery life, turn Bluetooth power off when not in use.

Connect new devices

Note: This feature requires an optional accessory.

To connect with a new device, you need to pair with it. You only need to do this once for each device—to connect again, just turn on the device.

1. Make sure the device you are pairing with is in discoverable mode.

   Note: Refer to the guide that came with the device for details.
2. From the home screen, touch Menu > **Settings** > **Wireless & networks** > **Bluetooth settings**.
3. Touch **Bluetooth** to turn on and scan. If Bluetooth power is already on, touch **Scan for devices**.
4. Touch a device to connect.
5. If necessary, touch **OK** or enter the device passkey (like 0000) to connect to the device. When the device is connected, the Bluetooth indicator will appear in the status bar.

Note: Using a mobile device or accessory while driving may cause distraction and may be illegal. Always obey the laws and drive safely.

Reconnect devices

To reconnect your phone to a paired device automatically, simply turn on the device.

To reconnect your phone to a paired device manually, touch the device name in the **Bluetooth devices** list.

Disconnect devices

To disconnect your phone from a paired device automatically, simply turn off the device.

To disconnect your phone from a paired device manually, touch the device name in the devices list, then touch Menu > **Disconnect**.

Edit properties

From the home screen, touch Menu > **Settings** > **Wireless & networks** > **Bluetooth settings** > **Device name**. Enter a name and touch **OK**.

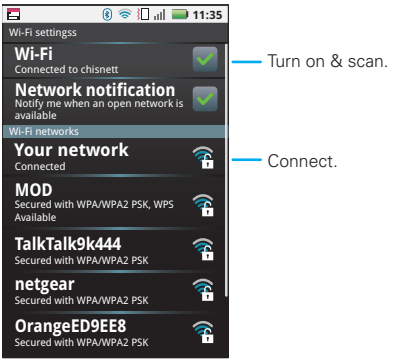
Wi-Fi™

home, office or hotspot

Quick start: Wi-Fi

Use a wireless network for fast Internet access and to download data.

Find it: From the home screen, touch Menu > **Settings** > **Wireless & networks** > **Wi-Fi settings**



Note: Your phone's Wi-Fi features and power levels are not permitted for outdoor operation in France. To avoid unlawful interference with radio signals, do not

use the Wi-Fi features in France unless you are indoors.

Turn Wi-Fi on or off

Find it: From the home screen, touch Menu > **Settings** > **Wireless & networks** > **Wi-Fi**

Note: To extend battery life, turn off Wi-Fi power when not in use.

Wi-Fi search & connect

To find networks in your range:

1. From the home screen, touch Menu > **Settings** > **Wireless & networks** > **Wi-Fi settings**.
2. Touch **Wi-Fi** to turn on and scan. If Wi-Fi is already on, touch Menu > **Scan**. Your phone will list the networks it finds within range.

   Tip: To see your phone's MAC address or other Wi-Fi details, touch Menu > **Advanced**.
3. Touch a network to connect.
4. If necessary, enter **Network SSID**, **Security** and **Wireless password** and touch **Connect**. When your phone is connected to the network, the wireless indicator will appear in the status bar.

Tip: When you are in range and Wi-Fi is on, you will automatically reconnect to available networks you've connected to before.

Wi-Fi hotspot

Note: You need to subscribe to a Wi-Fi hotspot service to use this feature. Contact your service provider.

You can set up your phone as a Wi-Fi hotspot to provide portable, convenient internet access to other Wi-Fi enabled devices.

Setup

Note: There may be risks associated with connecting to the public internet. Your phone allows you to create a 3G mobile hotspot, which may be accessible by unauthorised users. It is highly recommended that you use a password and other possible steps to protect your computer from unauthorised access. To add security to your Wi-Fi hotspot:

Find it: > **3G Mobile Hotspot** > > **Advanced** > **Wi-Fi AP mode**

Touch a setting to modify it:

- **SSID**—Enter a unique name for your hotspot.
- **Security**—Select the type of security you want: **WEP**, **WPA** or **WPA2**. Enter a unique password. Other users can access your Wi-Fi hotspot only if they enter the correct password.

  Note: **WEP** is the weakest option because it is highly vulnerable to hacking. **WPA2** is recommended by IEEE.

- **Channel**—Select a channel that minimises potential interference. You may need to try different channels after your hotspot has been active for a time.

Touch **Save** when the settings are complete.

Activate hotspot

Find it: > **3G mobile hotspot** > **Tap to start mobile hotspot service**

When your Wi-Fi hotspot is active, other Wi-Fi enabled devices will be able to connect by entering your hotspot's **SSID**, selecting a **Security** type and entering the correct **Wireless password**.

If you can't activate the Wi-Fi hotspot:

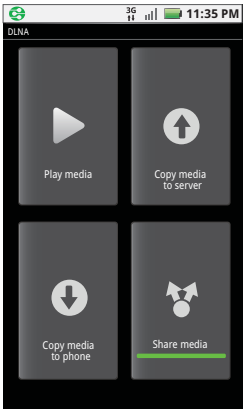
1. Contact your service provider for the access point name (APN) settings.
2. Touch Menu > **Settings** > **Wireless & networks** > **Mobile networks** > **Access point names** > *service provider*, then enter the settings from your service provider.
3. Touch **APN type**, then enter **dun** (all lowercase) and touch **OK**.

DLNA

DLNA lets you expand the ways you can enjoy your photos and videos on a DLNA Certified HDTV or monitor, using your own Wi-Fi network.

Make sure your phone is connected to an active Wi-Fi network and has access to a DLNA Certified device.

1. Touch > **DLNA**.
2. Touch **Play media**, **Copy media to server**, **Copy media to phone** or **Share media**. Then follow the instructions you see on your phone.



Tips & tricks

a few handy hints

Shortcuts

To...	
Return to the home screen	Touch Home .
See recently dialled numbers	Touch **Dialler** > **Recent**.
Sleep/wake your phone	To sleep, press Power . To wake, press Power again.
Set screen lock	From the home screen, touch Menu > **Settings** > **Location & security** > **Screen lock**.
Google™ search	Touch Search .
Google™ search by voice	Touch and hold Search .
Show the last few apps used	From the home screen, touch and hold Home .

To...	
Turn flight mode on/off	Press and hold Power > **Flight mode**.
View and control Bluetooth™, Wi-Fi and GPS status	Touch and hold an empty spot on your home screen, then touch **Motorola widgets** > **Bluetooth toggle**, **Wi-Fi toggle** or **GPS toggle**.
Sync media to your desktop/ laptop	Visit www.motorola.com/medialink
Add a shortcut on your home screen for an app or contact	Touch and hold an open area on your home screen to open the **Add to Home screen** menu, then choose **Shortcuts**.
Move a widget or shortcut	Touch and hold the widget or shortcut until you feel a vibration, then drag it where you want.
Delete a widget or shortcut	Touch and hold a widget or shortcut until you feel a vibration, then drag it to the bin at the bottom of the screen.

Battery tips

Your phone is like a small computer, giving you a lot of information and apps, at 3G speed, with a touch display! Depending on what you use, that can take a lot of power.

To start getting the most out of your battery, touch Menu > **Settings** > **Battery manager** > **Battery profile**. Choose **Performance mode** for constant data transfer and battery use, **Battery saver mode** when your battery is low or **Smart mode** if you want to set **Battery profile options** that limit your data and wireless connections during off-peak hours.

To save even more battery life between charges, you could reduce:

- The number of videos you record or watch, the amount of music you listen to or the number of pictures you take.
- Widgets that stream information to your home screen, such as news or weather ("Use & change your home screen" on page 7).
- GPS, Wi-Fi and Bluetooth™ use: Touch and hold an empty spot on your home screen, then touch **Motorola widgets** > **Bluetooth toggle**, **Wi-Fi toggle** or **GPS toggle** to view and control.
- Network speed: from the home screen touch Menu > **Settings** > **Wireless & networks** > **Mobile networks** > **Select network** > 2G only.
- Network searching: to prevent your phone from looking for networks when you are out of coverage, press and hold Power > **Flight mode**.
- Display brightness: from the home screen, touch Menu > **Settings** > **Sound & display** > **Brightness** > *(dimmer setting)*.
- Display timeout delay: from the home screen, touch Menu > **Settings** > **Sound & display** > **Screen timeout** > *(shorter setting)*.

Personalise

add your personal touch

Widgets

To create a new widget:

1. Find an empty spot on your home screen where you want to add a widget, then touch and hold.

   Tip: You can flick left or right to open other panels on your home screen.

2. Touch **Motorola widgets** or **Downloaded widgets**.
3. Touch the type of widget. If necessary, enter the widget settings.

You can personalise widgets with content that you choose.

Ringtones

To personalise your ringtones:

Find it: From the home screen, touch Menu > **Settings** > **Sound & display** > **Phone ringtone** or **Notification ringtone**

Tip: To use a song as a ringtone, touch > **Music** > **My music** > **Songs**, touch and hold the song name, then touch **Set as ringtone**.

To set your vibrate options:

Find it: From the home screen, touch Menu > **Settings** > **Sound & display** > **Phone vibrate**

Wallpaper

To apply a new wallpaper:

1. Find an empty spot on your home screen, then touch and hold.
2. Touch **Wallpapers**.
3. Touch **Media gallery** to select a photo as your wallpaper or touch **Live wallpapers** or **Wallpapers** to choose a wallpaper that comes with your phone.

Sounds

- To set volume for media and videos, from the home screen, touch Menu > **Settings** > **Sound & display** > **Media volume**.
- To play tones when using the dial pad, from the home screen, touch Menu > **Settings** > **Sound & display** > **Audible touch tones**.
- To play sound on a screen selection, from the home screen, touch Menu > **Settings** > **Sound & display** > **Audible selection**.

Display settings

- To set display brightness, from the home screen, touch Menu > **Settings** > **Sound & display** > **Brightness**.
- To set animation, from the home screen, touch Menu > **Settings** > **Sound & display** > **Animation**.

Date & time

Set date, time, time zone and formats:

Find it: From the home screen, touch Menu > **Settings** > **Date & time**

Language & region

Set your menu language and region:

Find it: From the home screen, touch Menu > **Settings** > **Language & keyboard** > **Select locale**

Photos & videos

see it, capture it, share it!

Photos

Take & share photos

Take that family photo and post it online for everyone to see.

Find it: > **Camera**

Tag (location or custom tags)
5MP **Resolution** (touch to change)
641 **Photos remaining** (depends on photo resolution and memory card)

Note: Photos are stored on your microSD memory card. To change the picture resolution, in the viewfinder, touch Menu > **Settings** > **Picture resolution**.

To take the photo, touch .

The photo you've just taken will be shown on the screen. Touch the photo, then:

- To **set** the photo as a wallpaper or contact photo, touch **Set as**.
- To **send** the photo in a message or post it online, touch **Share**. For more info on sharing your photos, see "Share your photo gallery" on page 35.
- To **delete** the photo, touch **Delete**.

Photo options

In the viewfinder, touch Menu > **Settings** to open a menu.

View your photos

Find it: > **Gallery**

Tip: Use pinch-to-zoom to zoom in and out. See "Pinch-to-zoom" on page 5.

Play a slideshow

Touch > **Gallery**, touch a picture, then touch to start a slideshow. To stop the slideshow, touch the display. To return to the gallery, touch Back .

Share your photo gallery

Find it: > **Gallery**

To send your photo in a message or post it online:

1. Touch and hold a photo, then touch **Share**.
2. Choose how you want to share—such as **Gmail**, **Picasa** or **Text messaging**.

Manage your photos

Find it: > **Gallery** > **Camera roll**

Touch and hold a photo, then:

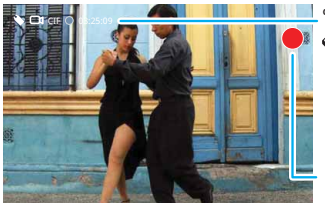
- To delete the photo, touch **Delete**.
- To set the photo as a contact picture or wallpaper, touch **Set as**.

Tip: To copy photos to/from a PC, go to "Memory card & file transfer" on page 42.

Videos

Record & share videos

Find it: > **Camcorder**



CIF **Resolution** (touch to change)

Tag (location or custom tags)

Minutes left (depends on video resolution and memory card)

Record.

Tip: To send your video in a message, set the video resolution to **Small (QCIF)** by touching Menu > **Settings** > **Video resolution**.

To record the video, touch .

The video you've just recorded will be shown on the screen. Touch the video, then:

- To **send** the video in a message or post it online, touch **Share**. For more info on sharing your photos, see "Share your photo gallery" on page 35.
- To **play** the video, touch .
- To **delete** the video, touch **Delete**.

Play your videos

Find it: > **Gallery** > **All videos** > *video*

Note: To see the controls while the video is playing, touch the display.

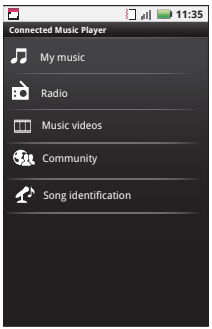
Music

when music is what you need...

Your music community

Listen to the radio, watch videos, read music news and more.

Find it: > **Music**



My music. Listen to your tunes.

Radio. Surf the airwaves for fresh music. There's something for everyone. You need a headset for FM radio. Check out SHOUTcast™ Radio for music from all generations and of all types.

Music videos. Watch videos from YouTube™, pre-recorded TV programmes and your own videos.

Community. Find songs, see what people are listening to all around the world and see what's hot on the music charts.

Song identification. Get information about a song that is playing. Select **Tell me what is playing** and hold your phone close to the source of the music.

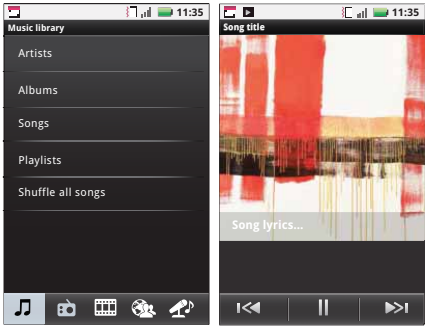
Note: Recognition will not take place if the music is from a live concert or a musical performance in which digital recording is not even.

Configuration data. Some features in Connected Music Player, such as Music videos and news, Community, Song identification and Song lyrics require data traffic. Set the data mode: Tap Menu > **Settings** > **Data usage**.

Quick start: Music

Touch, touch, play—instant music. Just open your music library, then select what you want to play.

Find it: > **Music**



Tip: When a song is playing, you can add it to a playlist by touching Menu > **More** > **Add to playlist**.

To listen to music during a flight, turn off all your network and wireless connections: Press and hold Power > **Flight mode**.

Set up music

What music transfer tools do I need?

To put music on your PC and then load it onto your phone, you need:

- Microsoft™ Windows™ PC or Apple™ Macintosh™.
- a USB data cable.
- Memory card. Your music is stored on your memory card. Your phone supports removable microSD memory cards up to 32 GB capacity. To make sure your memory card is installed, go to "Assemble & charge" on page 3.

  Tip: To see the available memory on your memory card, from the home screen, touch Menu > **Settings** > **SD card & phone storage**.

What music file formats can I play?

Your phone can play many types of files: MP3, M4A, AAC, ACC+, MIDI, WAV and OGG Vorbis.

Note: Your phone does not support any DRM protected files.

What headphones can I use?

Your phone has a 3.5 mm headset jack for wired stereo listening. You can go wireless with Bluetooth™ stereo headphones or speakers (see "Bluetooth™ wireless" on page 27).

Get music

Rip a CD

Not literally. If you're new to digital music transfer, this means transferring music from a music CD to your PC.

To rip a music CD on your PC, you can use Microsoft™ Windows™ Media Player. You can download Windows Media Player from www.microsoft.com.

1 On your PC, open Windows Media Player.

2 Insert a music CD into the PC's CD ROM drive.

Note: Make sure you change the format to MP3 in "Rip > Format > Rip settings".

3 In the Windows Media Player window, click on the "Rip" tab.

4 Highlight the songs you want to import, and click "Start rip".

The songs are imported to the Windows Media Player Library.

Transfer using Windows Media Player

Transfer music files from a PC to your memory card.

Note: Copyright—do you have the right? Always follow the rules in your phone's safety, regulatory and legal information, packaged with your phone.

1 With a memory card inserted and your phone showing the home screen, connect a Motorola micro USB data cable from your phone's micro USB port to a USB port on your PC. Your phone should show in the status bar.

Note: Your phone supports Microsoft™ Windows™ XP, Windows Vista™ and Apple™ Macintosh™. Other operating systems may not be compatible.

2 Your phone will show a USB connection dialogue. Touch **USB Drive**. You can't use the files on your memory card while it is connected.

3 On your PC, open Windows Media Player.

4 On the "Sync" tab, select "More options." Under "Device", select your phone.

5 Select "Properties", tick the "Create folder hierarchy on device" box and click "OK".

6 Drag your music files over to the "Sync list" and press "Start sync".

Transfer using USB

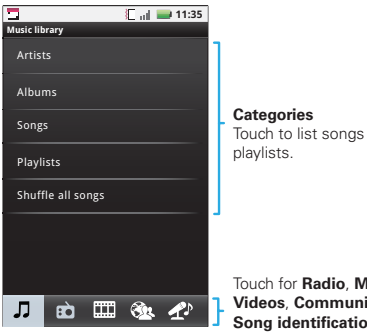
To use a USB cable, see "Memory card & file transfer" on page 42.

Play music

Music library

Open your music library, then select what you want to play.

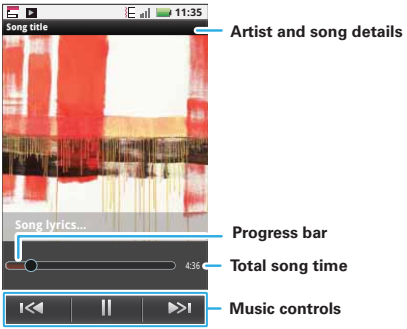
Find it: > **Music** > **My music**



Your music is stored by artists, albums, songs and playlists. Touch a category, then touch the song or playlist you want to play. Touch **Shuffle all songs** to randomly play all your songs, or touch Search to look for a song.

Music player

Just touch a song or playlist to get going.



Music player controls

controls	
play/pause	Touch .
previous/next	Touch .
volume	Press the side volume keys.

controls	
display lyrics	Touch Menu > **More** > **Settings** > **Display lyrics**.
send blip	Love this song or hate it? Let your friends know. Touch Menu > **Send blip**.
add to playlist	Touch Menu > **More** > **Add to playlist**.
use as ringtone	Touch Menu > **More** > **Set as ringtone**.
delete	Touch Menu > **More** > **Delete**.

Hide, wake, turn off

Touch Home to use another app. Your music will continue to play.

When you see in the status bar, a song is playing. Flick down to see details. Touch the song to return to the music controls.

To turn off your music touch .

Playlists

To add a song from the music library to a playlist, touch and hold the song then touch **Add to playlist**. Choose an existing playlist or touch **New playlist** to create a new playlist.

To add a song to the playlist you're playing, touch Menu > **More** > **Add to playlist** in the music player.

To edit, delete and rename playlists, touch and hold the playlist in the music library.

FM radio

Plug in a 3.5 mm headset and surf the airwaves for fresh music.

Find it: > **Music** > **Radio**

Memory card & file transfer

copy photos, music and more to your phone

Memory card

Note: You need the memory card installed for some features on your phone, such as **Camera**.

To insert a memory card, see "Assemble & charge" on page 3.

To open and manage memory card files on your phone, use "Quickoffice" on page 44.

Note: Do not remove your memory card while your phone is using it or writing files to it.

Warning: When you format a memory card, all data on the card will be deleted.

To remove or format your memory card, you need to unmount it. Touch Menu > **Settings** > **SD card & phone storage** > **Unmount SD card**. Then, to format your memory card, touch **Format SD card**.

View & transfer files

Your can use Motorola Phone Portal (MPP) to connect your phone and computer with a cable or a Wi-Fi network.

When you connect your phone or type the MPP URL into your computer's browser, you'll see the MPP home screen.

Open your recent activity (**Home**), **Contacts**, **Photos**, **Settings**, **File manager** or **Support**.

Open details about your phone's network signal, battery or memory.

Show **All** recent activity or only your **SMS** (text messages) or **Calls**.

Choose your language.

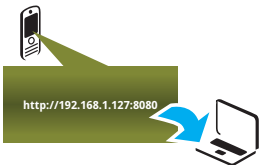
Note: MPP works best with Internet Explorer 7 or newer, with JavaScript and cookies enabled.

Connect through a Wi-Fi network

Note: Most public Wi-Fi networks (such as the ones at coffee shops) don't let devices connect to each other. In that case, you need a USB cable connection.

1 Touch > **Phone portal**

2 If your phone is connected to a W-Fi network, it will show an MPP URL. Use a computer on the network to enter the URL in a browser. This opens the MPP home screen!



Tip: When your phone's Wi-Fi is on, it reconnects to nearby networks it has used automatically. To turn Wi-Fi on or off, touch Menu > **Settings** > **Wireless & networks** > **Wi-Fi**

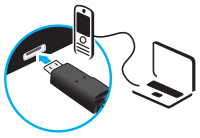
If your phone is not connected to a Wi-Fi network, it will ask you to connect. Touch **OK** to open the Wi-Fi settings screen, then turn on **Wi-Fi** and touch a network to connect.

For network passwords, ask other network users or administrators. For your phone's MAC address and Wi-Fi details, touch Menu > **Advanced**.

When your phone is connected (appears in the status bar), touch Back to close the settings. Shortly, MPP will show a URL at the bottom of your screen. Using a computer on the same Wi-Fi network, just type the URL into the browser to open the MPP home screen!

Connect through a USB cable

1 Turn on your phone and computer and connect them with a USB-to-micro USB cable.



Your computer might guide you through installing Motorola drivers.

2 Once your computer has the correct Motorola drivers, it will open the MPP home page in your browser. A Motorola icon appears in your task bar, in the bottom right corner of your computer screen.

If you have Motorola Media Link, it will launch instead of MPP. To use MPP, right-click in your task bar, select "when the phone connects, launch" and choose MPP. Disconnect and reconnect your phone to launch MPP.

Tools

stay on top of things

Alarm clock

Find it: > **Alarm & timer**

To turn on an alarm, touch the tick box.

When an alarm sounds, drag **Dismiss** to turn it off or touch the screen to snooze.

To add an alarm, touch Menu > **Add alarm**, then enter alarm details.

Calendar

Find it: > **Calendar**

Your calendar events can be viewed in different ways: touch Menu > **Diary**, **Day** or **Week**. When you highlight an event in the day and week views, more details will appear.

Note: To sync your calendar with an account, from the home screen, go to Menu > **Settings** > **Accounts** > *account* > **Sync calendar**.

Add calendar events

From any calendar view, touch Menu > **New event**. Enter event details and touch **Save**.

Manage calendar events

To edit an event, touch and hold it, then touch **Edit event**. When you're done, touch **Save**.

To delete an event, touch and hold it, then touch **Delete event**.

To go to today, touch Menu > **Today**.

To view your calendar events for the week, touch Menu > **Week**.

Calculator

Find it: > **Calculator**

Your calculator has two views: basic and advanced. To change your views, touch Menu > **Advanced panel** or **Basic panel**. To clear history, touch Menu > **Clear history**.

Quickoffice

Use Quickoffice to view recent documents and files on your memory card.

Find it: > **Quickoffice**

Touch a file or folder to open or touch and hold a file for options.

To manage your folders and transfer files, see "Memory card & file transfer" on page 42.

Management

stay in control

Synchronise with Microsoft™ Office Outlook

If you use Microsoft Office Outlook on your work computer, your phone can synchronise emails, events and contacts with your Microsoft Exchange server.

Find it: From the home screen, touch Menu > **Settings** > **Accounts** > **Add account** > **Corporate Sync**

1 Enter your username (username@company.com), password, email address and server details (the server address is the same URL you use to access your company's email using the web on your computer).

Note: Contact your business IT department for server details.

2 Touch **Next**.

Wireless manager

Find it: From the home screen, touch Menu > **Settings** > **Wireless & networks**

Manage all your wireless connections: Wi-Fi, Bluetooth™, flight mode & mobile networks ("Network" on page 45).

Flight mode

Use flight mode to turn all your wireless connections off—useful when flying. Press and hold Power > **Flight mode**.

Update my phone

There may be software updates available to keep your phone up to date. From the home screen, touch Menu > **Settings** > **About phone** > **System updates** to see if your phone is up to date. If it isn't, touch **Update**.

Network

You should not need to change any network settings. Contact your service provider for help.

From the home screen, touch Menu > **Settings** > **Wireless & networks** > **Mobile networks** to show options for roaming networks, network selection, operator selection and access point names.

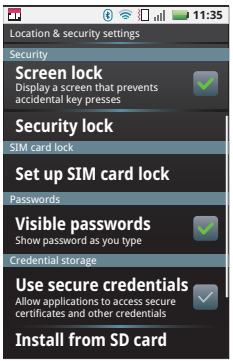
Security

help keep your phone safe

Quick start: Security

Find it: From the home screen, touch Menu > **Settings** > **Location & security**

You have lots of ways to keep your phone safe.



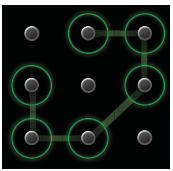
Security lock

Some work accounts might require you to add a password lock to your phone for security.

- **Lock pattern**: draw a pattern to unlock.
- **Passcode lock**: enter a code to unlock.

Note: You can make emergency calls on a locked phone ("Emergency calls" on page 12). A locked phone will still ring, but you need to unlock it to answer.

Lock pattern



To set the lock pattern, from the home screen, touch Menu > **Settings** > **Location & security** > **Security lock** > **Security lock type** > **Lock pattern**

Follow the instructions to draw your lock pattern.

When prompted, draw the pattern to unlock the phone.

Passcode lock

To set the passcode, from the home screen, touch Menu > **Settings** > **Location & security** > **Set password**.

Enter a password, then confirm it.

When prompted, enter the password to unlock the phone.

Personalise your lock screen

To change your timeout, from the home screen, touch Menu > **Settings** > **Sound & display** > **Screen timeout**. If you don't touch the screen or touch any keys for this amount of time, the screen will lock automatically. To unlock, see "Lock & unlock" on page 3.

Lock your SIM

Enable SIM PIN

To lock your SIM (the next time you power up the phone you will need to enter your SIM PIN), from the home screen, touch Menu > **Settings** > **Location & security** > **Set up SIM card lock** > **Lock SIM card**. Enter your SIM PIN code.

Caution: If you enter an incorrect PIN code three times, your phone will lock your SIM card and will ask for your PIN unlock code. Contact your service provider.

Change SIM PIN

From the home screen, touch Menu > **Settings** > **Location & security** > **Set up SIM card lock** > **Change SIM PIN**.

PUK code

To unlock your SIM PIN, you need to enter your PIN unlock code (PUK code) when prompted.

Note: Your PUK code is supplied by your service provider.

Reset

To reset your phone to factory settings and erase all the data on your phone, touch Menu > **Settings** > **Privacy** > **Factory data reset** > **Reset phone**.

Warning: All downloaded apps and user data on your phone will be deleted. Data on your memory card will not be deleted.

Troubleshooting

we're here to help

Crash recovery

In the unlikely event that your phone stops responding to touches and key presses, try a quick reset. Remove the back cover and battery ("Assemble & charge" on page 3), then replace and turn on your phone as usual.

Battery use & safety

Important: Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries, and particularly from the continued use of damaged batteries.

DON'Ts

- **Don't disassemble, crush, puncture, shred or otherwise attempt to change the form of your battery.**
- **Don't let the mobile device or battery come into contact with water.*** Water can get into the mobile device's circuits, leading to corrosion. If the mobile device and/or battery get wet, get them checked by your service provider or contact Motorola, even if they appear to be working properly.*
- **Don't allow the battery to touch metal objects.** If metal objects, such as jewellery, stay in prolonged contact with the battery contact points, the battery could become very hot.
- **Don't place your mobile device or battery near a heat source.*** Excessive heat can damage the mobile device or the battery. High temperatures can cause the battery to swell, leak or malfunction. Therefore:
- **Don't dry a wet or damp battery with an appliance or heat source**, such as a hair dryer or microwave oven.

DOs

- **Do avoid leaving your mobile device in your car in high temperatures.***
- **Do avoid dropping the battery or mobile device.*** Dropping these items, especially on a hard surface, can potentially cause damage.*
- **Do contact your service provider or Motorola if your mobile device or battery has been damaged by being dropped or by high temperatures.**

*** Note:** Always make sure that the battery compartment is closed and secure to avoid direct exposure of the battery to any of these conditions.

Important: Use Motorola Original products for quality assurance and safeguards. To aid consumers in identifying authentic Motorola batteries from non-original or counterfeit batteries (that may not have adequate safety protection), Motorola provides holograms on its batteries. Consumers should confirm that any battery they purchase has a "Motorola Original" hologram.

Motorola recommends that you always use Motorola-branded batteries and chargers. Motorola mobile devices are designed to work with Motorola batteries. If you see a message on your display such as **Invalid battery** or **Unable to charge**, take the following steps:

- Remove the battery and inspect it to confirm that it has a "Motorola Original" hologram;
- If there is no hologram, the battery is not a Motorola battery;
- If there is a hologram, replace the battery and try charging it again;
- If the message remains, contact a Motorola authorised service centre.

Important: Motorola's warranty does not cover damage to the mobile device caused by non-Motorola batteries and/or chargers.

Warning: Use of a non-Motorola battery or charger may present a risk of fire, explosion, leakage or other hazard.

Proper and safe battery disposal and recycling: Proper battery disposal is not only important for safety, it also benefits the environment. Consumers may recycle their used batteries in many retail or service provider locations. Additional information on proper disposal and recycling may be found on the web;

- www.motorola.com/recycling
- www.rbrc.org/call2recycle/ (in English only)

Disposal: Promptly dispose of used batteries in accordance with local regulations. Contact your local recycling centre or national recycling organisations for more information on how to dispose of batteries.

Warning: Never dispose of batteries in a fire because they may explode.

Battery charging

Notes for charging your product's battery:

- When charging your battery, keep it near room temperature. Never expose batteries to temperatures below 0°C (32°F) or above 45°C (113°F) when charging.
- New batteries are not fully charged.
- New batteries or batteries stored for a long time may take more time to charge.
- Motorola batteries and charging systems have circuitry that protects the battery from damage from overcharging.

Driving precautions

Responsible and safe driving is your primary responsibility when behind the wheel of a vehicle. Using a mobile device or accessory for a call or other application while driving may cause distraction. Using a mobile device or accessory may be prohibited or restricted in certain areas, always obey the laws and regulations on the use of these products.

While driving, NEVER:

- Type or read texts.
- Enter or review written data.
- Surf the web.
- Input navigation information.
- Perform any other functions that divert your attention from driving.

While driving, ALWAYS:

- Keep your eyes on the road.
- Use a hands-free device if available or required by law in your area.
- Enter destination information into a navigation device **before** driving.
- Use voice activated features (such as voice dial) and speaking features (such as audible directions), if available.
- Obey all local laws and regulations for the use of mobile devices and accessories in the vehicle.
- End your call or other task if you cannot concentrate on driving.

Remember to follow the "Smart practices while driving" in this guide and at www.motorola.com/callsmart (in English only).

Seizures/blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing videos or games. These may occur even if a person has never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult your doctor before playing videos or games or enabling a flashing-lights feature (if available) on your mobile device.

Discontinue use and consult a physician if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements or disorientation. It is always a good idea to hold the screen away from your eyes, leave the lights on in the room, take a 15-minute break every hour and stop use if you are tired.

Caution about high volume usage

Warning: Exposure to loud noise from any source for extended periods of time may affect your hearing. The louder the volume sound level, the less time is required before your hearing could be affected. To protect your hearing:

- Limit the amount of time you use headsets or headphones at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

If you experience hearing discomfort, including the sensation of pressure or fullness in your ears, ringing in your ears or muffled speech, you should stop listening to the device through your headset or headphones and get your hearing checked.

For more information about hearing, see our website at direct.motorola.com/hellomoto/nss/AcousticSafety.asp (in English only).

Repetitive motion

When you repetitively perform actions such as pressing keys or entering finger-written characters, you may experience occasional discomfort in your hands, arms, shoulders, neck or other parts of your body. If you continue to have discomfort during or after such use, stop use and see a doctor.

[Nov0109]

Small children

Keep your mobile device and its accessories away from small children.

These products are not toys and may be hazardous to small children. For example:

- A choking hazard may exist for small, detachable parts.
- Improper use could result in loud sounds, possibly causing hearing injury.
- Improperly handled batteries could overheat and cause a burn.

Glass parts

Some parts of your mobile device may be made of glass. This glass could break if the product is dropped on a hard surface or receives a substantial impact. If glass breaks, do not touch or attempt to remove. Stop using your mobile device until the glass is replaced by a qualified service centre.

Operational warnings

Obey all posted signs when using mobile devices in public areas.

Potentially explosive atmospheres

Areas with potentially explosive atmospheres are often, but not always, posted and can include fuelling areas, such as below decks on boats, fuel or chemical transfer or storage facilities or areas where the air contains chemicals or particles, such as grain dust or metal powders.

When you are in such an area, turn off your mobile device and do not remove, install or charge batteries. In such areas, sparks can occur and cause an explosion or fire.

Symbol key

Your battery, charger or mobile device may contain symbols, defined as follows:

Symbol	Definition
	Important safety information follows.
	Do not dispose of your battery or mobile device in a fire.
	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Do not dispose of your battery or mobile device with your household waste. See "Recycling" for more information.
	For indoor use only.
	Listening at full volume to music or voice through a headset may damage your hearing.

Radio frequency (RF) energy

Exposure to RF energy

Your mobile device contains a transmitter and receiver. When it is ON, it receives and transmits RF energy. When you communicate with your mobile device, the system handling your call controls the power level at which your mobile device transmits.

Your mobile device is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

RF energy operational precautions

For optimum mobile device performance, and to be sure that human exposure to RF energy does not exceed the guidelines set forth in the relevant standards, always follow these instructions and precautions:

- When placing or receiving a phone call, hold your mobile device just like you would a landline phone.
- If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved clip, holder, holster, case or body harness. If you do not use a body-worn accessory supplied or approved by Motorola, keep the mobile device and its antenna at least 2.5 centimetres (1 inch) from your body when transmitting.
- Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our website at: www.motorola.com.

RF energy interference/compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed or otherwise configured for RF energy compatibility. In some circumstances, your mobile device may cause interference with other devices.

Follow instructions to avoid interference problems

Turn off your mobile device in any location where posted notices instruct you to do so.

In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers flight mode or a similar feature, consult airline staff about using it in-flight.

Implantable medical devices

If you have an implantable medical device, such as a pacemaker or defibrillator, consult your doctor before using this mobile device.

Persons with implantable medical devices should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimetres (8 inches) from the implantable medical device when the mobile device is turned ON.
- DO NOT carry the mobile device in the breast pocket.
- Use the ear opposite the implantable medical device to minimise the potential for interference.
- Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

Read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your mobile device with your implantable medical device, consult your health care provider.

Specific absorption rate (ICNIRP)

Your model of wireless phone meets international guidelines for exposure to radio waves.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organisation ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health, and to account for any variations in measurements. The guidelines use a unit of measurement known as the Specific absorption rate (SAR). The ICNIRP SAR limit for mobile devices used by the general public is 2 watts per kilogram (W/kg), and the highest SAR value for this mobile device when tested at the ear is 1.2 W/kg. As mobile devices offer a range of functions, they can be used in other positions, such as on the body as described in this guide. In this case, the highest tested SAR value is 0.58 W/kg. The tests are carried out in accordance with international guidelines for testing. The SAR information includes the Motorola testing protocol, assessment procedure and measurement uncertainty range for this product. As SAR is measured using the mobile device's highest transmitting power, the actual SAR of this mobile device while operating is typically below that indicated above. This is due to automatic changes to the power level of the mobile device to ensure it only uses the minimum level required to reach the network.

While there may be differences between the SAR levels of various mobile devices and at various positions, they meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

The World Health Organisation has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. They note that if you want to reduce your exposure, then you can do so by limiting the length of calls or using a hands-free device to keep the mobile device away from the head and body.

Additional Information can be found on the websites of the World Health Organisation (http://www.who.int/emf) or Motorola Mobility, Inc. (http://www.motorola.com/rfhealth).

Information from the World Health Organisation

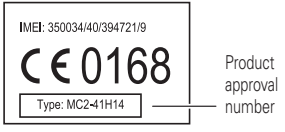
"Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If you are concerned, you may want to limit your own or your children's RF exposure by limiting the length of calls or by using hands-free devices to keep mobile phones away from your head and body". Source: WHO Fact Sheet 193
Further information: http://www.who.int/peh-emf

European Union Directives conformance statement

CE 0168 [Only indoor use allowed in France for Bluetooth and/or Wi-Fi]

Hereby, Motorola declares that this product is in compliance with:

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives



The above gives an example of a typical product approval number.
You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at www.motorola.com/rtte. To find your DoC, enter the product approval number from your product's label in the "Search" bar on the website.

FCC notice to users

The following statement applies to all products that have received FCC approval. Applicable products bear the FCC logo and/or an FCC ID in the format FCC ID:xxxxxx on the product label.

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19(3).
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to a socket on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

GPS & AGPS

Your mobile device can use *Global Positioning System* (GPS) signals for location-based applications. GPS uses satellites controlled by the U.S. government that are subject to changes implemented in accordance with the Department of Defense policy and the Federal Radio Navigation Plan. These changes may affect the performance of location technology on your mobile device.

Your mobile device can also use *Assisted Global Positioning System* (AGPS), which obtains information from the mobile network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices that are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola and other third parties providing services.

Emergency calls

When you make an emergency call, the mobile network may activate the AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the phone for as long as the emergency responder instructs you.

Performance tips

- Go outside and away from underground locations, covered vehicles, structures with metal or concrete roofs, tall buildings and foliage. Indoor performance might improve if you move closer to windows, but some window sun shielding films can block satellite signals.
- Move away from radios, entertainment equipment and other electronic devices.

Navigation

When using navigation features, note that mapping information, directions and other navigational data may contain inaccurate or incomplete data. In some countries, complete information may not be available. Therefore, you should visually confirm that the navigational instructions are consistent with what you see. All drivers should pay attention to road conditions, closures, traffic and all other factors that may impact driving. Always obey posted road signs.

Smart practices while driving

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas—for example, hands-free use only may be required. Go to www.motorola.com/callsmart **(in English only) for more information.**

Your mobile device lets you communicate by voice and data, almost anywhere, anytime, wherever wireless service is available and safe conditions allow. When driving a car, driving is your first responsibility. If you choose to use your mobile device while driving, remember the following tips:

- **Get to know your Motorola mobile device and its features such as speed dial, redial and voice dial.** If available, these features help you to place your call without taking your attention off the road.
- **When available, use a hands-free device.** If possible, add an additional layer of convenience to your mobile device with one of the many Motorola Original hands-free accessories available today.
- **Position your mobile device within easy reach.** Be able to access your mobile device without taking your eyes off the road. If you receive an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
- **Let the person you are speaking to know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice and even heavy traffic can be hazardous.
- **Do not take notes or look up phone numbers while driving.** Jotting down a "to do" list or going through your address book takes attention away from your primary responsibility—driving safely.

- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking to aware you are driving and suspend conversations that can divert your attention away from the road.
- **Use your mobile device to call for help.** Dial 999 or another local emergency number in the case of fire, traffic accident or medical emergencies (wherever wireless phone service is available).
- **Use your mobile device to help others in emergencies.** If you see a road accident, crime in progress or other serious emergency where lives are in danger, call 999 or another local emergency number (wherever wireless phone service is available), as you would want others to do for you.
- **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or another special non-emergency wireless number (wherever wireless phone service is available).

Privacy & data security

Motorola understands that privacy and data security are important to everyone. Because some features of your mobile device may affect your privacy or data security, please follow these recommendations to enhance protection of your information:

- **Monitor access**—Keep your mobile device with you and do not leave it where others may have unmonitored access. Lock your device's keypad where this feature is available.
- **Keep software up to date**—If Motorola or a software/application vendor releases a patch or software fix for your mobile device that updates the device's security, install it as soon as possible.
- **Secure personal information**—Your mobile device can store personal information in various locations including your SIM card, memory card and phone memory. Be sure to remove or clear all personal information before you recycle, return or give away your device. You can also back up your personal data to transfer to a new device.
  Note: For information on how to back up or wipe data from your mobile device, go to www.motorola.com/support
- **Online accounts**—Some mobile devices provide a Motorola online account (such as MOTOBLUR). Go to your account for information on how to manage the account and how to use security features such as remote wipe and device location (where available).
- **Applications**—Install third party applications from trusted sources only. Applications can have access to private information such as call data, location details and network resources.
- **Location-based information**—Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile phones that are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola and other third parties providing services.
- **Other information your device may transmit**—Your device may also transmit testing and other diagnostic (including location-based) information, and other non-personal information to Motorola or other third-party servers. This information is used to help improve products and services offered by Motorola.

If you have further questions regarding how the use of your mobile device may impact your privacy or data security, please contact Motorola at privacy@motorola.com, or contact your service provider.

Use & care

Your mobile device is designed to resist damage from exposure to certain rugged conditions, as stated in your product information. However, to help care for your mobile device, avoid prolonged or extreme exposure to those conditions and please observe the following:

protection
To help protect your mobile device, always make sure that the battery compartment and any connector covers are closed and secure.

drying
Don't try to dry your mobile device using a microwave oven, conventional oven or dryer, as this may damage the mobile device.

cleaning
To clean your phone, use only a dry soft cloth. Do not use alcohol or other cleaning solutions.

extreme heat or cold
Avoid temperatures below 0°C/32°F or above 45°C/113°F.

shock and vibration
Don't drop your phone.

Recycling

Mobile devices & accessories

Please do not dispose of mobile devices or electrical accessories (such as chargers, headsets or batteries) with your household waste or in a fire. These items should be disposed of in accordance with the national collection and recycling schemes operated by your local or regional authority. Alternatively, you may return unwanted mobile devices and electrical accessories to any Motorola Approved Service Centre in your region. Details of Motorola-approved national recycling schemes and further information on Motorola recycling activities can be found at:
www.motorola.com/recycling

Packaging & product guides

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For instructions on how to obtain a copy of any source code being made publicly available by Motorola related to software used in this Motorola mobile device, you may send your request in writing to the address below. Please make sure that the request includes the model number and the software version number.

MOTOROLA MOBILITY, INC.
OSS Management
600 North US Hwy 45
Libertyville, IL 60048
USA

The Motorola website opensource.motorola.com also contains information regarding Motorola's use of open source.

Motorola has created the opensource.motorola.com website to serve as a portal for interaction with the software community-at-large.

To view additional information regarding licences, acknowledgments and required copyright notices for open source packages used in this Motorola mobile device, please press Menu Key > **Settings** > **About phone** > **Legal information** > **Open source licences**. In addition, this Motorola device may include self-contained applications that present supplementary notices for open source packages used in those applications.

WARRANTY INFORMATION

Motorola guarantees to you, the original purchaser, the Personal Communicator and accessories which you have purchased from an authorised Motorola dealer (the "Products"), to be in conformance with the applicable Motorola specifications current at the time of manufacture for a different period of time from date of purchase of the Product(s) (warranty term).

The warranty period starts at the time of the original purchase of the Product(s) by the first end user. The Product may consist of several different parts and different parts may be covered by a different warranty period (hereinafter "Warranty Period"). The different Warranty Periods are:

a) Twelve (12) months for the Personal Communicator and for accessories (whether included in the Product sales package or sold separately) other than the consumable parts and accessories listed in (b) and (c) below;

b) Six (6) months for the following consumable parts and accessories: batteries, and

c) Ninety (90) days for the media on which any software is provided e.g. CD-ROM, memory card.

You must inform Motorola of the lack of conformity to the applicable specifications of any of the Products within a period of two (2) months from the date on which you detect a defect in material, workmanship or lack of conformity and in any event within a term not to exceed the Warranty Term, and must immediately submit the Product for service to Motorola's Authorised Repair or Service Centre. Motorola shall not be bound by Product related statements not directly made by Motorola nor any warranty obligations applicable to the seller.

During the Warranty term, Motorola will, at its discretion and without extra charge, as your exclusive remedy, repair or replace your Product which does not comply with this warranty; or failing this, to reimburse the price of the Product but reduced to take into account the use you have had of the Product since it was delivered. This warranty will expire at the end of the Warranty Term.

This is the complete and exclusive warranty for a Motorola Personal Communicator and accessories and in lieu of all other warranties, terms and conditions, whether express or implied.

Where you purchase the product other than as a consumer, Motorola disclaims all other warranties, terms and conditions express or implied, such as fitness for purpose and satisfactory quality.

In no event shall Motorola be liable for damages nor loss of data in excess of the purchase price nor for any incidental special or consequential damages[1] arising out of the use or inability to use the Product, to the full extent such may be disclaimed by law.

This Warranty does not affect any statutory rights that you may have if you are a consumer, such as a warranty of satisfactory quality and fit for the purpose for which products of the same type are normally used under normal use and service, nor any rights against the seller of the Products arising from your purchase and sales contract.

HOW TO GET WARRANTY SERVICE?

In most cases the authorised Motorola dealer which sold and/or installed your Motorola Personal Communicator and original accessories will honour a warranty claim and/or provide warranty service. Alternatively, for further information on how to get warranty service, please contact either the customer service department of your service provider or go to **http://www.motorola.com/support/warrantyselector**.

Where, in the Country of purchase, there is a statutory requirement to provide extended repair service to consumers beyond the first year of purchase (South Africa and Portugal), this warranty will be provided by Motorola Authorised Service Centres or Motorola directly appointed dealers in the country of purchase according to the terms of this warranty information document. However, please note that you will be referred back to the place of purchase, if the Motorola Dealer has purchased the product directly from Motorola, in the country of purchase or in a country where Motorola is not required to support supplementary repair service during the second year of purchase because of the statutory obligations that may apply to the seller or importer of the product, but not to the manufacturer, to provide an extended warranty to consumers beyond the first year.

1 including without limitation loss of use, loss of time, loss of data, inconvenience, commercial loss, lost profits or savings.

CLAIMING

In order to claim the warranty service, you must return the Personal Communicator and/or accessories in question to Motorola's Authorised Repair or Service Centre in the original configuration and packaging as supplied by Motorola. Please avoid leaving any supplementary items like SIM cards. The Product should also be accompanied by a label with your name, address and telephone number; name of operator and a description of the problem. In the case of vehicular installation, the vehicle in which the Personal Communicator is installed should be driven to the Authorised Repair or Service Centre, as analysis of any problem may require inspection of the entire vehicular installation.

In order to be eligible to receive warranty service, you must present your receipt of purchase or a comparable substitute proof of purchase bearing the date of purchase. The phone should also clearly display the original compatible electronic serial number (IMEI) and mechanic serial number [MSN]. Such information is contained with the Product.

You must ensure that any and all repairs or servicing is handled at all times by a Motorola Authorised Service Centre in accordance with the Motorola Service requirements.

In some cases, you may be requested to provide additional information concerning the maintenance of the Products by Motorola Authorised Service Centres only, therefore it is important to keep a record of any previous repairs, and make them available if questions arise concerning maintenance.

CONDITIONS

This warranty will not apply if the type or serial numbers on the Product have been altered, deleted, duplicated, removed or made illegible. Motorola reserves the right to refuse free-of-charge warranty service if the requested documentation cannot be presented or if the information is incomplete, illegible or incompatible with the factory records.

Repair, at Motorola's option, may include reflashing of software, the replacement of parts or boards with functionally equivalent, reconditioned or new parts or boards. Replaced parts, accessories, batteries or boards are warranted for the balance of the original warranty time period. The Warranty Term will not be extended. All original accessories, batteries, parts and Personal Communicator equipment that have been replaced shall become the property of Motorola. Motorola does not warrant the installation, maintenance or service of the products, accessories, batteries or parts.

Motorola will not be responsible in any way for problems or damage caused by any ancillary equipment not furnished by Motorola which is attached to or used in connection with the Products, or for operation of Motorola equipment with any ancillary equipment and all such equipment is expressly excluded from this warranty.

When the Product is used in conjunction with ancillary or peripheral equipment not supplied by Motorola, Motorola does not warrant the operation of the Product/peripheral combination and Motorola will not honour any warranty claim where the Product is used in such a combination and it is determined by Motorola that there is no fault with the Product. Motorola specifically disclaims any responsibility for any damage, whether or not to Motorola equipment, caused in any way by the use of the Personal Communicator, accessories, software applications and peripherals (specific examples include, but are not limited to: batteries, chargers, adapters and power supplies) when such accessories, software applications and peripherals are not manufactured and supplied by Motorola.

WHAT IS NOT COVERED BY THE WARRANTY

This warranty is not valid if the defects are due to damage, misuse, tampering, neglect or lack of care and in case of alterations or repair carried out by unauthorised persons.

The following are examples of defects or damage not covered by this product warranty:

1 Defects or damage resulting from use of the Product in other than its normal and customary manner.
2 Defects or damage from misuse, access to incompatible sources, accident or neglect.
3 Defects or damage from improper testing, operation, maintenance, installation, adjustment, unauthorised software applications or any alteration or modification of any kind.

4 Breakage or damage to antennas unless caused directly by defects in material or workmanship.
5 Products disassembled or repaired other than by Motorola in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.
6 Defects or damage due to range, coverage, availability, grade of service or operation of the mobile system by the mobile operator.
7 Defects or damage due to moisture, liquid, extreme humidity, heavy perspiration or other moisture, sand, food, dirt or similar substances, caused from incorrectly securing the Product's protective elements and/or subjecting the Products to conditions exceeding any stated specification or limit.
8 Control unit coil cords in the Product that are stretched or have the modular tab broken.
9 All plastic surfaces and all other externally exposed parts that are scratched or damaged due to customer normal use.
10 Leather cases (which are covered under separate manufacturer's warranties).
11 Products rented on a temporary basis.
12 Periodic maintenance and repair or replacement of parts due to normal wear and tear.

Note: The talk-time, stand-by time and total life cycle of a Motorola rechargeable battery for your Personal Communicator will depend on usage conditions and network configurations. As a consumable product, the specifications indicate that you should be able to obtain optimum performance for your Motorola Personal Communicator within the first six months from date of purchase and up to (200) charges (Optimum Performance Time).

The warranty for Motorola rechargeable batteries becomes void if (i) the batteries are charged other than by Motorola approved battery chargers specified for the charging of the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, (iii) the battery is used in equipment or service other than the mobile telephone equipment for which it is specified.

Depending on operating conditions and your usage habits, wear and tear might occur in components including mechanical problems related to Product housing, paint, assembly, sub-assemblies, displays and keyboards and any accessories which are not part of the Product's in-box configuration. The rectification of faults generated through wear and tear and the use of consumable items like batteries beyond their Optimum Performance Time as indicated in the product manual is considered to be your responsibility and therefore Motorola will not provide the free Warranty repair service for these items.

INSTALLED DATA

Please make and retain a note of all data you have inserted into your Product, for example, names, addresses, phone numbers, user and access codes, notes, etc. before submitting your Product for a Warranty service as such data may be deleted or erased as part of the repair or service process.

Please note if you have downloaded material onto your Product, for example, ring tones, ring tunes, screensavers, wallpaper, games, etc. these may be deleted or erased as part of the repair process or testing process. Motorola shall not be responsible for such matters. The repair or testing process should not affect any such material that was installed by Motorola on your Product as a standard feature.

OUT OF WARRANTY REPAIRS

If you ask Motorola to repair your Product any time after the Warranty term or where this warranty does not apply due to the nature of the defect or fault, then Motorola may at its discretion carry out such repairs subject to you paying Motorola its fees for such a repair or it may refer you to an authorised third party to carry out such repairs.

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Certain features, services and applications are network dependent and may not be available in all areas; additional terms, conditions and/or charges may apply. Contact your service provider for details.

All features, functionality and other product specifications, as well as the information contained in this guide, are based upon the latest available information and believed to be accurate at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice or obligation.

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Caution: Changes or modifications made in the radio phone, not expressly approved by Motorola, will void the user's authority to operate the equipment.

Product ID: Motorola **DEFY** (MB525)

Manual Number: 68014494001

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